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UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>		Attorney Docket No. 539.009
		First Named Inventor DANIEL S. MCGUIRE ET AL.
		Title INVESTMENT CASTING SLURRY COMPOSITION AND METHOD OF USE
		Express Mail Label No. EV313040718US

APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i>		ADDRESS TO: MAIL STOP - PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
<p>1. (X) Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original, and a duplicate for fee processing)</i></p> <p>2. (X) Applicant claims small entity status See 37 CFR 1.27</p> <p>3. (X) Specification [Total Pages -37] <i>(preferred arrangement set forth below, MPEP 1503.01)</i></p> <ul style="list-style-type: none"> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claims - Abstract of the Disclosure <p>4. (X) Drawing(s) (35 U.S.C. 113) [Total Sheets 4]</p> <p>5. (X) Oath or Declaration [Total Pages 1]</p> <ul style="list-style-type: none"> a. (X) Newly executed (original or copy) b. () Copy from a prior application (37 CFR 1.63 (d)) <i>(for continuation/divisional with Box 16 completed)</i> <ul style="list-style-type: none"> i. () DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63 (d)(2) and 1.33 (b). <p>6. () Application Data Sheet. See 37 CFR 1.76</p> <p>7. () CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p>		<p>8. () Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)</p> <ul style="list-style-type: none"> a. () Computer Readable Form (CRF) b. () Specification Sequence Listing on: <ul style="list-style-type: none"> i. () CD-ROM or CD-R (2 copies); or ii. () paper c. () Statement verifying identity of above copies
ACCOMPANYING APPLICATION PARTS		
<p>9. () Assignment Papers</p> <p>10. () 37 CFR 3.73(b) Statement (X) Power of Attorney <i>(when there is an assignee)</i></p> <p>11. () English Translation Document <i>(if applicable)</i></p> <p>12. () Information Disclosure Statement (IDS)/PTO-1449 () Copies of IDS Citations</p> <p>13. () Preliminary Amendment</p> <p>14. (X) Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i></p> <p>15. () Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i></p> <p>16. () Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i) – Applicant must attach form PTO/SB/35 or its equivalent</p> <p>17. () Other: _____</p>		

16. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

() Continuation () Divisional () Continuation-in-part (CIP) of prior application No: _____
Prior application information: Examiner Group / Art Unit: _____

For **CONTINUATION or DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label		(Insert Customer No. or Attach bar code label here) 23598		or <input type="checkbox"/> Correspondence address below	
Name	Jay G. Durst				
Address	250 E. Wisconsin Avenue Suite 1030				
City	Milwaukee	State	WI	Zip Code	53202
Country		Telephone	(414) 225-6300	Fax	(414) 225-9753

Name (Print/Type) Jay G. Durst	Registration No. (Attorney/Agent) 41,723
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Signature	Date October 30, 2003
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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Box Design, Washington, DC 20231.

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FEE TRANSMITTAL

for FY 2003

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT \$ 1043.00

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None

 Deposit Account

 Deposit Account Number
 Deposit Account Name

50-1170

Boyle, Fredrickson, Newholm, Stein & Gratz S.C.

The Commissioner is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
101	770	201	385
106	340	206	170
107	530	207	265
108	770	208	385
114	160	214	80
SUBTOTAL (1) (\$385.00)			

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Extra Claims	Fee from below	Fee Paid
74	7	.20** = 54	x 9 = 486	
		.3** = 4	x 43 = 172	

Multiple Dependent

Large Entity	Small Entity	Fee Description
Fee Code	Fee (\$)	Fee Description
103	18	203 9 Claims in excess of 20
102	86	202 43 Independent claims in excess of 3
104	290	204 145 Multiple dependent claim, if not paid
109	86	209 43 **Reissue independent claims over original patent
110	18	210 9 **Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$658.00)		

** or number previously paid, if greater. For Reissues, see above

Complete if Known	
Application Number	
Filing Date	
First Named Inventor	Daniel S. McGuire et al.
Examiner Name	
Group Art Unit	
Attorney Docket No.	539.009

FEE CALCULATION (continued)					
3. ADDITIONAL FEES		Large Entity		Small Entity	
Fee	Fee	Fee	Fee		
105	130	205	65	Surcharge – late filing fee or oath	Fee Paid
127	50	227	25	Surcharge – late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive – unavoidable	
141	1,280	241	640	Petition to revive – unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) \$

SUBMITTED BY					
Name (Print/Type)	Jay G. Durst	Registration No. (Attorney/Agent)	41,723	Telephone	(414) 225-6300
Signature				Date	October 30, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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October 30, 2003

EXPRESS MAIL

Mail Stop - Box Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Utility Patent Application Transmittal
Inventors: Daniel S. McGuire et al.
Title: *Investment Casting Slurry Composition And Method Of Use*
Our Ref.: 539.009

Dear Sir:

Enclosed is our check in the amount of \$1043.00 in payment of the government filing fee for the enclosed United States utility patent application, which application includes 37 pages of specification, 74 claims and an Abstract. 4 Drawing figures on 4 sheets are also included. Also enclosed is a combined Declaration and Power of Attorney document. Applicant claims small entity status.

An Information Disclosure Statement will be filed at a later date.

The Director is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-1170.

Respectfully submitted,
Jay G. Durst
Registration No. 41,723

23598

Mail Stop - Patent Application
Commissioner for Patents
Page 2

Certification Under 37 CFR 1.10

Express Mail Label No:EV313040718 US

Date of Deposit: **October 30, 2003**

I hereby certify that this paper or fee is being deposited with the United States Postal Service in "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the MAIL STOP - BOX PROVISIONAL PATENT APPLICATION, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

Heather S. Stutz

Certification Under 37 CFR 1.10

Express Mail Label No: **EV313040718US**

Date of Deposit: **October 30, 2003**

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Heather S. Stutz